



TalyMaster

A brand new inspection concept



TalyMaster: A three-in-one automated inspection system for high volume production



A brand new inspection concept combining roughness, roundness and contour on a fully automated inspection system.

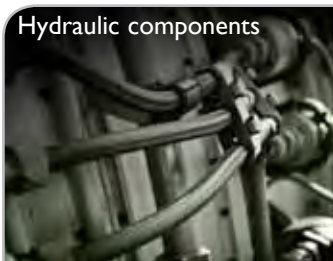
This instrument incorporates complete part manipulation ensuring high throughput and significantly reduced inspection costs compared to traditional inspection methods.

Multi-part measurement

The TalyMaster been developed specifically to cope with the rigorous demands of high volume production, yet still flexible enough to be used in batch inspection and even R&D facilities. Not only is this advanced inspection system capable of measuring multiple parts it can inspect over 50 parts in a single measurement program with no operator intervention. This both speeds up the measurement cycle and frees operators to carry out other tasks.

Multi-featured parts

Multi tooling, automation and greater machine tool flexibility have enabled machining of more complex assemblies while keeping operations to a minimum. The TalyMaster has been designed with this in mind to reduce the number of inspection operations and dramatically reduce attendance times.



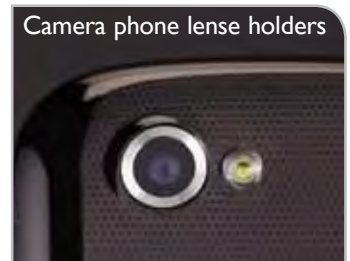
Hydraulic components



Bearings



Fuel injectors



Camera phone lens holders



Hard discs



Fuel pumps



Compressors



Lens molds

Simplified production interface



Advanced multi-part measurement

The TalyMaster enables full inspection of parts of varying type or size in a single operation increasing throughput and removing inspection room bottlenecks. Multiple part types can be loaded onto a single pallet with each individual location having an explicit measurement sequence and analysis.



Instant pass/fail results

A simple user interface with configurable pallet layout allows the user to start and stop the measurement program at the touch of a button. Parts are identified according to location with a simple green, red and amber color system to identify pass, fail or measurement warnings.

Simultaneous measurement and analysis

To speed up the measurement process even further the TalyMaster can multi-task by analysing one part at the same time as measuring the next component. Suspect parts can be re-checked by simply selecting the location and carrying out repeat measurement print or display at any time.



Serving a global market

Taylor Hobson is world renowned as a manufacturer of precision measuring instruments used for inspection in research and production facilities. Our equipment performs at nanometric levels of resolution and accuracy.

To complement our precision manufacturing capability we also offer a host of metrology support services to provide our customers with complete solutions to their measuring needs and total confidence in their results.

Contracted Services from Taylor Hobson

- **Inspection services**
measurement of your production parts by skilled technicians using industry leading instruments in accord with ISO standards
- **Metrology training**
practical, hands-on training courses for roundness and surface finish conducted by experienced metrologists
- **Operator training**
on-site instruction will lead to greater proficiency and higher productivity
- **UKAS Calibration and Testing**
certification for artifacts or instruments in our laboratory or at customer's site

For the above services, contact our Center of Excellence:
email: taylor-hobson.cofe@ametek.com
or call: **+44 116 276 3779**

- **Design engineering**
special purpose, dedicated metrology systems for demanding applications
- **Precision manufacturing**
contract machining services for high precision applications and industries
- **Preventative maintenance**
protect your metrology investment with a TalyCare service cover plan

For the above services, contact our Sales Department:
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